

=> d que

L7 STR

H2N~Ak~G1~G2 O=C~O~Et O~Ak
8 1 2 3 4 @5 6 7 @9 @10

3 R = Alkyl Ester

Considered
04/15/04
MTC

REP G1=(1-10) 9-1 10-3
VAR G2=NH2/OH/5
NODE ATTRIBUTES:
CONNECT IS E2 RC AT 1
CONNECT IS E2 RC AT 10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L9 537472 SEA FILE=REGISTRY ABB=ON PLU=ON ((N>1 AND O/ELS) OR (O>1 AND N/ELS)) AND NC=1 NOT (PMS/CI OR IDS/CI OR RSD/FA)
L13 236335 SEA FILE=REGISTRY ABB=ON PLU=ON L9 AND (N/ELS AND C/ELS AND O/ELS AND H/ELS) AND 4/ELC.SUB
L15 174 SEA FILE=REGISTRY SUB=L13 SSS FUL L7
L17 STR

H2N~Ak~G2 O=C~O~Et
1 2 3 4 @5 6 7

E R = Alkyl

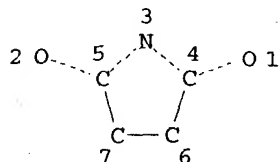
VAR G2=NH2/OH/5
NODE ATTRIBUTES:
CONNECT IS E2 RC AT 2
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L19 279433 SEA FILE=REGISTRY ABB=ON PLU=ON ((N/ELS AND C/ELS AND H/ELS AND 3/ELC.SUB) OR (N/ELS AND C/ELS AND H/ELS AND O/ELS AND 4/ELC.SUB)) AND NC=1 NOT (PMS/CI OR IDS/CI OR RSD/FA)
L21 2985 SEA FILE=REGISTRY SUB=L19 SSS FUL L17
L22 108246 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 OR L21
L23 19571 SEA FILE=HCAPLUS ABB=ON PLU=ON AGGLUTINATION+NT/CT OR AGGLUTINAT?
L24 62 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 AND L23
L26 STR

Agglutination



Saccin... gp.

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L28 4595 SEA FILE=REGISTRY SSS FUL L26
L29 121510 SEA FILE=HCAPLUS ABB=ON PLU=ON L28 OR SUCCIN?
L30 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 AND L29'
L31 49057 SEA FILE=HCAPLUS ABB=ON PLU=ON IMMUNOASSAY+OLD,NT/CT
L32 314 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 AND L31
L33 51 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L29
L34 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND L23
L35 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L30 OR L34
L36 43 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND ANTIBOD?
L37 20 SEA FILE=HCAPLUS ABB=ON PLU=ON L36 AND (PARTICL? OR ?STYREN?
OR ?METHYLMETHACRYL? OR GOLD OR SILICA OR GLASS OR OXIDE)
~~L39 23 SEA FILE=HCAPLUS ABB=ON PLU=ON L35 OR L37~~

Immunassay

particles

~~=> d L39: lib1b: ab: hitind: hitstr: 1-23~~

L39 ANSWER 1 OF 23 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:252116 HCAPLUS

DOCUMENT NUMBER: 140:249788

TITLE: Method of coupling binding agents to a substrate surface.

INVENTOR(S): Safsten, Par; Tidare, Mattias

PATENT ASSIGNEE(S): Biacore Ab, Swed.

SOURCE: U.S. Pat. Appl. Publ., 14 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004058456	A1	20040325	US 2003-449823	20030530
PRIORITY APPLN. INFO.:			SE 2002-1637	A 20020531
			US 2002-384626P	P 20020531

AB The present invention relates to a method of coupling multiple binding agents to resp. areas of a substrate surface by hydrodynamic addressing, using two laminar fluid flows that flow together in the same direction over the substrate surface with an interface to each other to successively couple the binding agents to the substrate areas, wherein each successive coupling of a binding agent to a surface area is followed or preceded by selective deactivation or activation of a selected surface area according to a defined protocol. The invention also relates to the use of such a binding agent-coupled substrate surface for anal. purposes. The present invention relates to a method of coupling multiple binding agents to resp. areas of a substrate by hydrodynamic addressing, using two laminar fluid flows that flow together in the same direction over the substrate surface with an interface to each other to successively couple the binding agents to the substrate areas, wherein each successive coupling of a binding agent to a surface area is followed or preceded by selective deactivation or activation of a selected surface area according to a defined protocol.

=> dup rem l46 l48

FILE 'MEDLINE' ENTERED AT 11:10:45 ON 13 APR 2004

FILE 'EMBASE' ENTERED AT 11:10:45 ON 13 APR 2004

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PROCESSING COMPLETED FOR L46

PROCESSING COMPLETED FOR L48

L49 22 DUPL REM L46 L48 (3 DUPLICATES REMOVED)

ANSWERS '1-11' FROM FILE MEDLINE

ANSWERS '12-22' FROM FILE EMBASE

=> d que

L7 STR

H2N~Ak~G1~G2 O=C~O~Et O~Ak
8 1 2 3 4 @5 6 7 @9 @10

REP G1=(1-10) 9-1 10-3

VAR G2=NH2/OH/5

NODE ATTRIBUTES:

CONNECT IS E2 RC AT 1

CONNECT IS E2 RC AT 10

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L9 537472 SEA FILE=REGISTRY ABB=ON PLU=ON ((N>1 AND O/ELS) OR (O>1 AND N/ELS)) AND NC=1 NOT (PMS/CI OR IDS/CI OR RSD/FA)

L13 236335 SEA FILE=REGISTRY ABB=ON PLU=ON L9 AND (N/ELS AND C/ELS AND O/ELS AND H/ELS) AND 4/ELC.SUB

L15 174 SEA FILE=REGISTRY SUB=L13 SSS FUL L7

L17 STR

H2N~Ak~G2 O=C~O~Et
1 2 3 4 @5 6 7

VAR G2=NH2/OH/5

NODE ATTRIBUTES:

CONNECT IS E2 RC AT 2

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L19 279433 SEA FILE=REGISTRY ABB=ON PLU=ON ((N/ELS AND C/ELS AND H/ELS AND 3/ELC.SUB) OR (N/ELS AND C/ELS AND H/ELS AND O/ELS AND 4/ELC.SUB)) AND NC=1 NOT (PMS/CI OR IDS/CI OR RSD/FA)

L21 2985 SEA FILE=REGISTRY SUB=L19 SSS FUL L17

L40 6955 SEA FILE=MEDLINE ABB=ON PLU=ON L15 OR L21 OR GLYCINE ETHYL ESTER OR 2-AMINOETHOXY ETHANOL OR AEO RO EBE OR TTD

L41 258892 SEA FILE=MEDLINE ABB=ON PLU=ON IMMUNOASSAY+NT/CT

L42 146 SEA FILE=MEDLINE ABB=ON PLU=ON L40 AND L41
 L43 3 SEA FILE=MEDLINE ABB=ON PLU=ON L42 AND AGGLUT?
 L45 8 SEA FILE=MEDLINE ABB=ON PLU=ON L40 AND SUCCIN? AND (AGGLUT?
 OR L41 OR IMMUNO?)
 L46 11 SEA FILE=MEDLINE ABB=ON PLU=ON L43 OR L45
 L47 10341 SEA FILE=EMBASE ABB=ON PLU=ON L15 OR L21 OR GLYCINE ETHYL
 ESTER OR 2-AMINOETHOXY ETHANOL OR AEO RO EBE OR TTD
 L48 14 SEA FILE=EMBASE ABB=ON PLU=ON L47 AND SUCCIN? AND (AGGLUT?
 OR L41 OR IMMUNO?)
 L49 22 DUP REM L46 L48 (3 DUPLICATES REMOVED)

~~Std 149 bib abs 1 22~~

L49 ANSWER (1) OF 22 MEDLINE on STN DUPLICATE 1
 AN 1999359251 MEDLINE
 DN PubMed ID: 10428913
 TI Inhibition of polyamine synthesis arrests trichomonad growth and induces
 destruction of hydrogenosomes.
 AU Reis I A; Martinez M P; Yarlett N; Johnson P J; Silva-Filho F C;
 Vannier-Santos M A
 CS Laboratório de Biologia da Superfície Celular, Instituto de Biofísica
 Carlos Chagas Filho, Universidade Federal do Rio de Janeiro, Brazil.
 NC AI-25361 (NIAID)
 AI-27857 (NIAID)
 SO Antimicrobial agents and chemotherapy, (1999 Aug) 43 (8) 1919-23.
 Journal code: 0315061. ISSN: 0066-4804.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199909
 ED Entered STN: 19990925
 Last Updated on STN: 19990925
 Entered Medline: 19990909
 AB Trichomonad parasites such as Tritrichomonas foetus produce large amounts
 of putrescine (1,4-diaminobutane), which is transported out of the cell
 via an antiport mechanism which results in the uptake of a molecule of
 spermine. The importance of putrescine to the survival of the parasite
 and its role in the biology of T. foetus was investigated by use of the
 putrescine analogue 1, 4-diamino-2-butanone (DAB). Growth of T. foetus in
 vitro was significantly inhibited by 20 mM DAB, which was reversed by the
 addition of exogenous 40 mM putrescine. High-performance liquid
 chromatography analysis of 20 mM DAB-treated T. foetus revealed that
 putrescine, spermidine, and spermine levels were reduced by 89, 52, and
 43%, respectively, compared to those in control cells. The DAB treatment
 induced several ultrastructural alterations, which were primarily observed
 in the redox organelles termed hydrogenosomes. These organelles were
 progressively degraded, giving rise to large vesicles that displayed
 material immunoreactive with an antibody to beta-
 succinyl-coenzyme A synthetase, a hydrogenosomal enzyme. A
 protective role for polyamines as stabilizing agents in the trichomonad
 hydrogenosomal membrane is proposed.

L49 ANSWER (2) OF 22 MEDLINE on STN DUPLICATE 2
 AN 1999102196 MEDLINE
 DN PubMed ID: 9882647
 TI Molecular characterization of eutF mutants of Salmonella typhimurium LT2
 identifies eutF lesions as partial-loss-of-function tonB alleles.